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Customer No. 23696
 Attorney Docket No.: 030475
 Date: February 27, 2004
 Express Mail Label No.: EL 977102028 US

22858 U.S. PTO
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Dear Sir:

Transmitted herewith for filing is the patent application of:

Inventor(s): Hanfang Pan, Inyup Kang, James KryslFor: EFFICIENT MULTI-SYMBOL DEINTERLEAVER

Enclosed are:

1. Patent application (31) total pages.
2. Drawings: Formal (10) sheet(s) or Informal () sheet(s).
3. Declaration/Power of Attorney: Signed Unsigned
4. This application claims priority from Application Serial No. , Filed , Status
5. An Assignment (4) pages and Recordation Form Cover Sheet.
6. A Preliminary Amendment () pages.
7. Information Disclosure Statement (IDS):
 - a. PTO-1449
 - b. Copies of IDS Citations (number of citations:)
8. Other:

CLAIMS:	(a) Filed	(b) Extra Claims	Large Entity Fee	Fee Paid
Total*	36 - 20	16	x \$18 =	\$288.00
Independent**	5 - 3	2	x \$86 =	\$172.00
Multiple Dependent Claim(s): <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes			\$290	\$0
APPLICATION FILING FEE			\$770	\$770.00
			TOTAL FEE	\$1,230.00

*If the number in column a is less than 20, enter 0 in column b.
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9. A check in the amount of \$ _____ is enclosed to pay the filing fee.
10. Please charge Deposit Account No. 17-0026 of QUALCOMM Incorporated the amount of \$1,230.00. The Commissioner is hereby authorized to charge payment of any additional fees which may be required, or credit any overpayment, to said Deposit Account No. 17-0026. A duplicate of this sheet is enclosed for fee processing.
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Date: February 27, 2004

Signature: 
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